AF AGENCY FOR MODELING & SIMULATION

Background

- 4-Star M&S Summit - Jun 95
  - Set New AF M&S Vision & Goal
  - Approved Field Operating Agency in Orlando
- AFAMS Activated - 3 Jun 96
  - Reporting to HQ USAF/XOM - Dir of M&S
  - Realigned to HQ USAF/XOC - Dir of C^2 - 1 Jan 97

AF M&S Vision

"Develop a Joint Synthetic Battlespace supporting better decisions and warfighting skills to build the world's most respected air and space forces for the Joint Force Commander"

SECAF/CSAF - AF M&S New Vector, Jun 95

AF M&S Goal

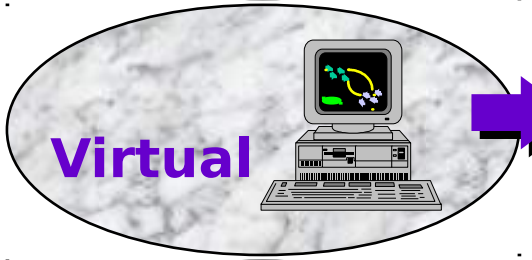
"Develop a capability using interoperable M&S systems to provide warfighters and decision-makers the tools to ensure readiness across the full spectrum of conflict"

SECAF/CSAF - AF M&S New Vector, Jun 95

What is Simulation?

Simulations involving real people operating real equipment in the field

Red Flag
COPE THUNDER
AIR WARRIOR



Simulations involving real people operating simulated equipment on a synthetic battlefield

Simulators
Virtual Prototypes

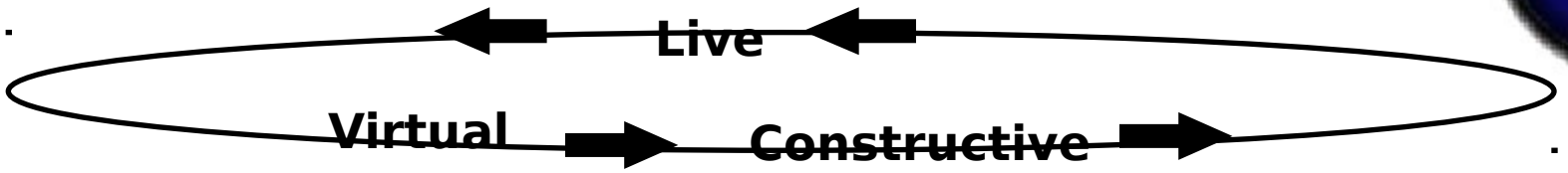
Simulations involving computer representations of

Wargames
CAXs
Analytical Tools

Anything short of war is simulation

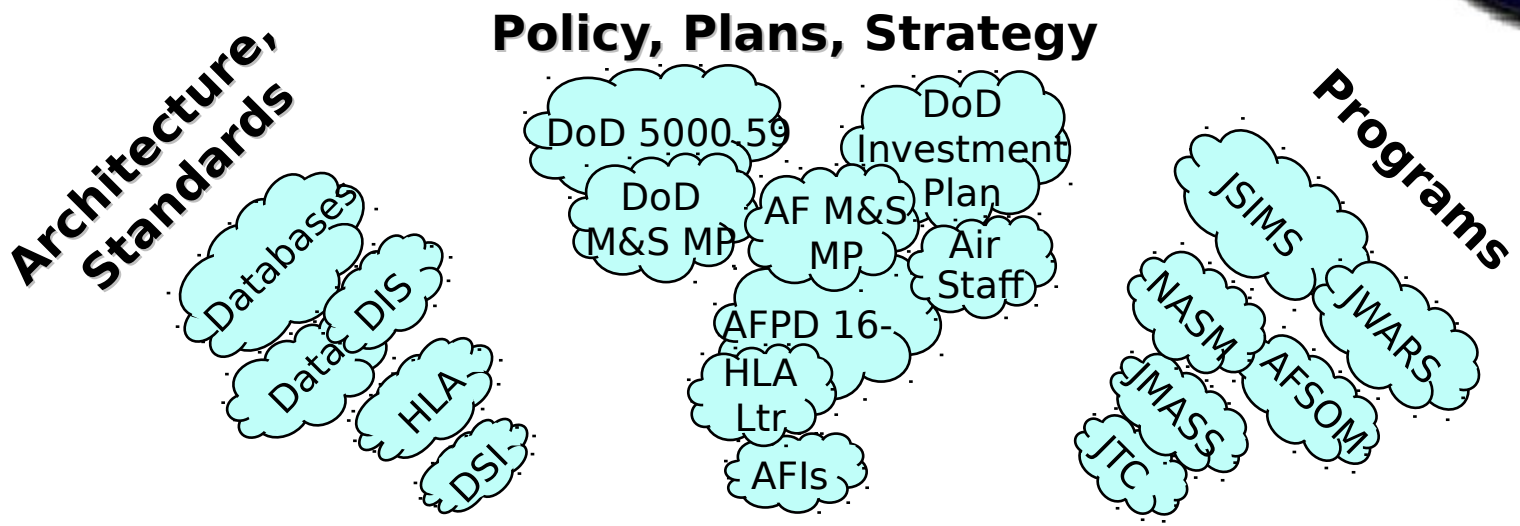
etc.

Joint Synthetic Battlespace



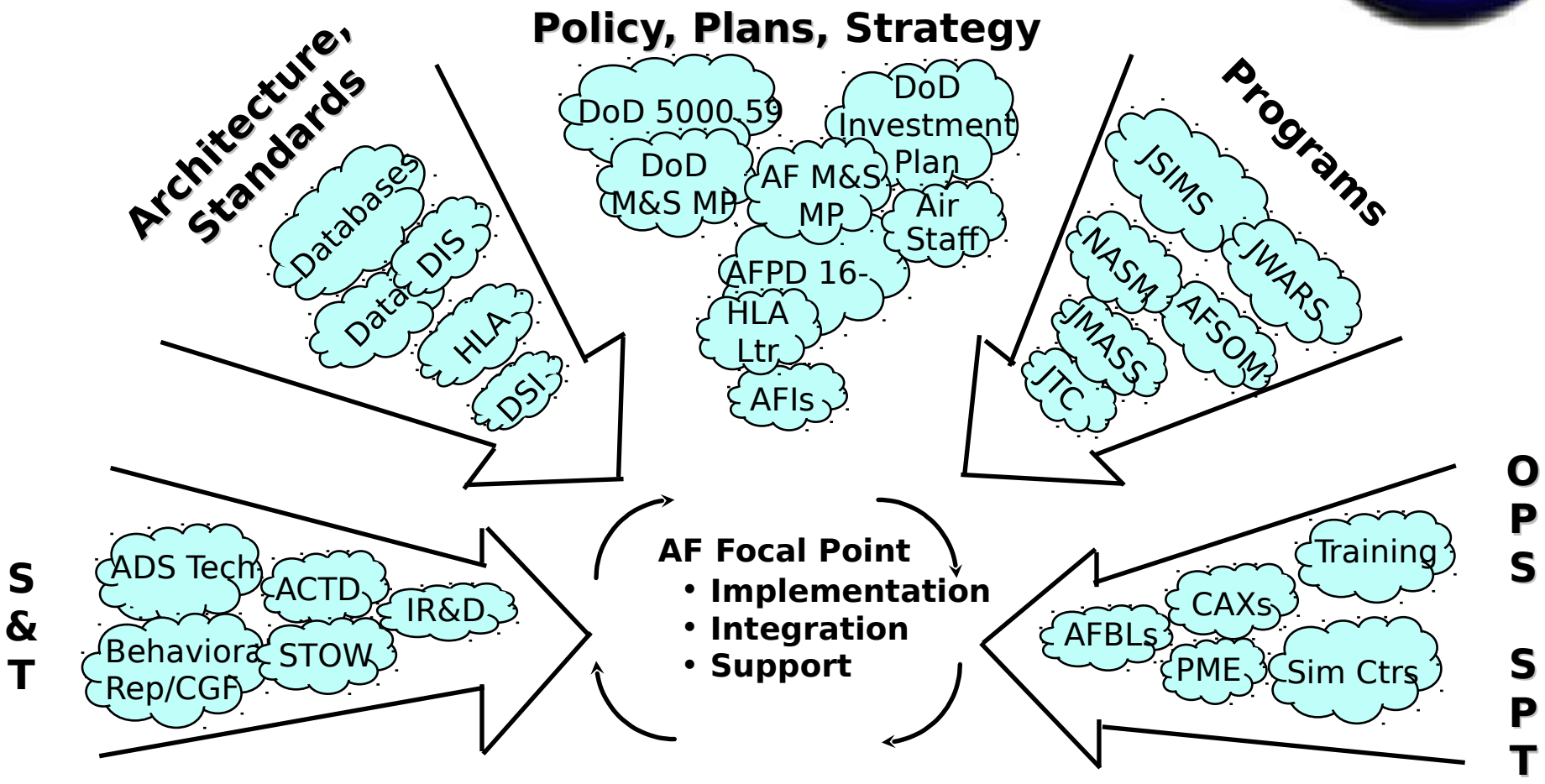
Acquisition | Training | T&E | Analysis | Ops

Why a FOA?



To Achieve Vision
Required an Implementation
Organization

Why a FOA?


Policy, Plans, Strategy
Architecture, Standards
Programs
DoD 5000.59
DoD Investment Plan
DoD M&S MP
AF M&S MP
Air Staff
AFPD 16-
HLA Ltr
AFIs
Databases
DIS
Data
HLA
DSI
JSIMS
NASM
JWARS
JMASS
AFSOM
JTC
S & T
ADS Tech
ACTD
IR&D
Behaviora Rep/CGF
STOW
AF Focal Point
• Implementation
• Integration
• Support
Training
CAXs
AFBLs
PME
Sim Ctrs
OPS SPT

Why Orlando?

- Main DoD Center for Training and Simulation Development and Support
- Long-standing and Successful Interservice, Industry and Academia Partnership
- Common M&S Goals
- Future = Continued Growth as a Simulation and Support Center

BOTTOM LINE: MADE OPERATIONAL SENSE

Team Orlando

Army Simulation Training & Instrumentation Command

BG William E. Bandt
Commanding General

Naval Air Warfare Center Training Systems Division

CAPT Jay R. Hixon
Commanding Officer

NASA/KSC

Mr. Roy D. Bridges

Marine Corps Program Office

COL Perry C. Dunn
Director

Industry

150 Simulation and Training Companies in Florida

Air Force Agency For Modeling & Simulation

COL Jimmy H. Wilson
Commander

University Of Central Florida and Institute For Simulation & Training

Dr. A. Louis Medin
Executive Director

Joint Simulation System

COL James R. Taylor
Program Manager

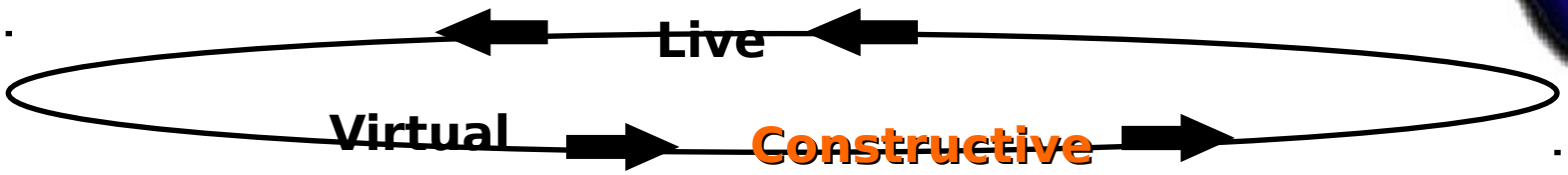
AFAMS Mission

- Support Implementation and Use of the Joint Synthetic Battlespace
  - Implement AF / Joint / DoD M&S Policy and Standards
  - Coordinate and Manage Major M&S Programs and Initiatives
  - Support Corporate AF M&S Operations
  - Promote M&S Technology Improvement and Innovation

Core Competencies

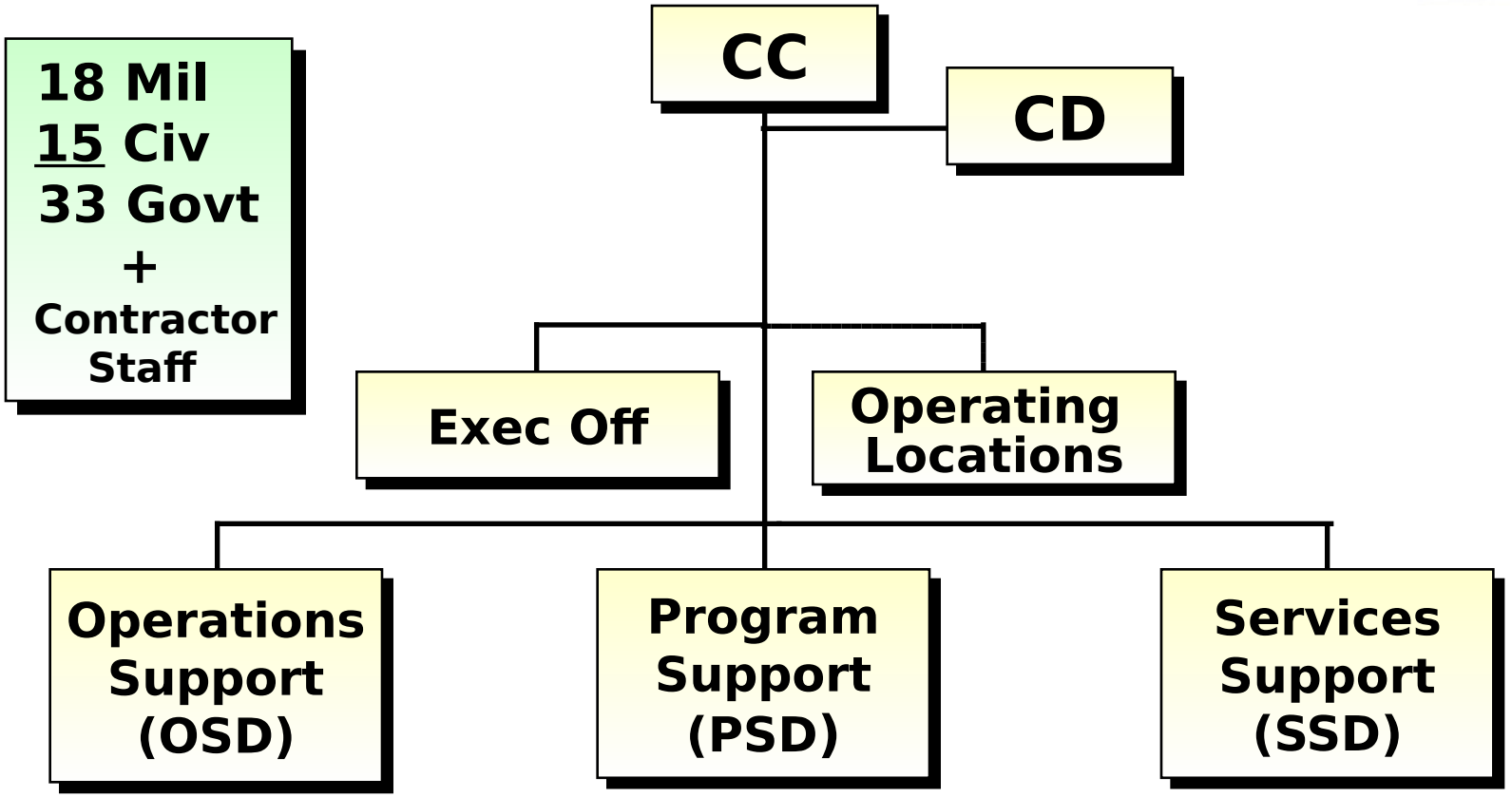
- Program Management
- Information Management
- Exercise Support
- Technology Promotion
- Customer Assistance

Mission Focus



Acquisition | Training | T&E | Analysis | Ops

AFAMS Organization



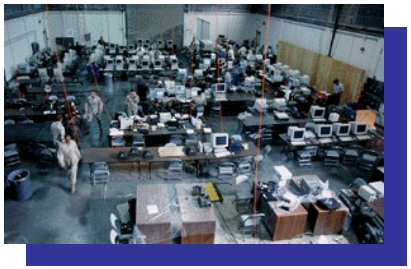
Operating Locations/Liaison Offices at AFAMS

- Current
  - AF Research Lab - Warfighter Training Research Division
  - USSOCOM
  - AFMC M&S Integration Office
  - USMC

Operations Support Division

Role:

- Manage Air Force Suite of Models (AFSOM)
- Support AF/Joint Training Exercises



AWSIM 2.0

Operations Support Division

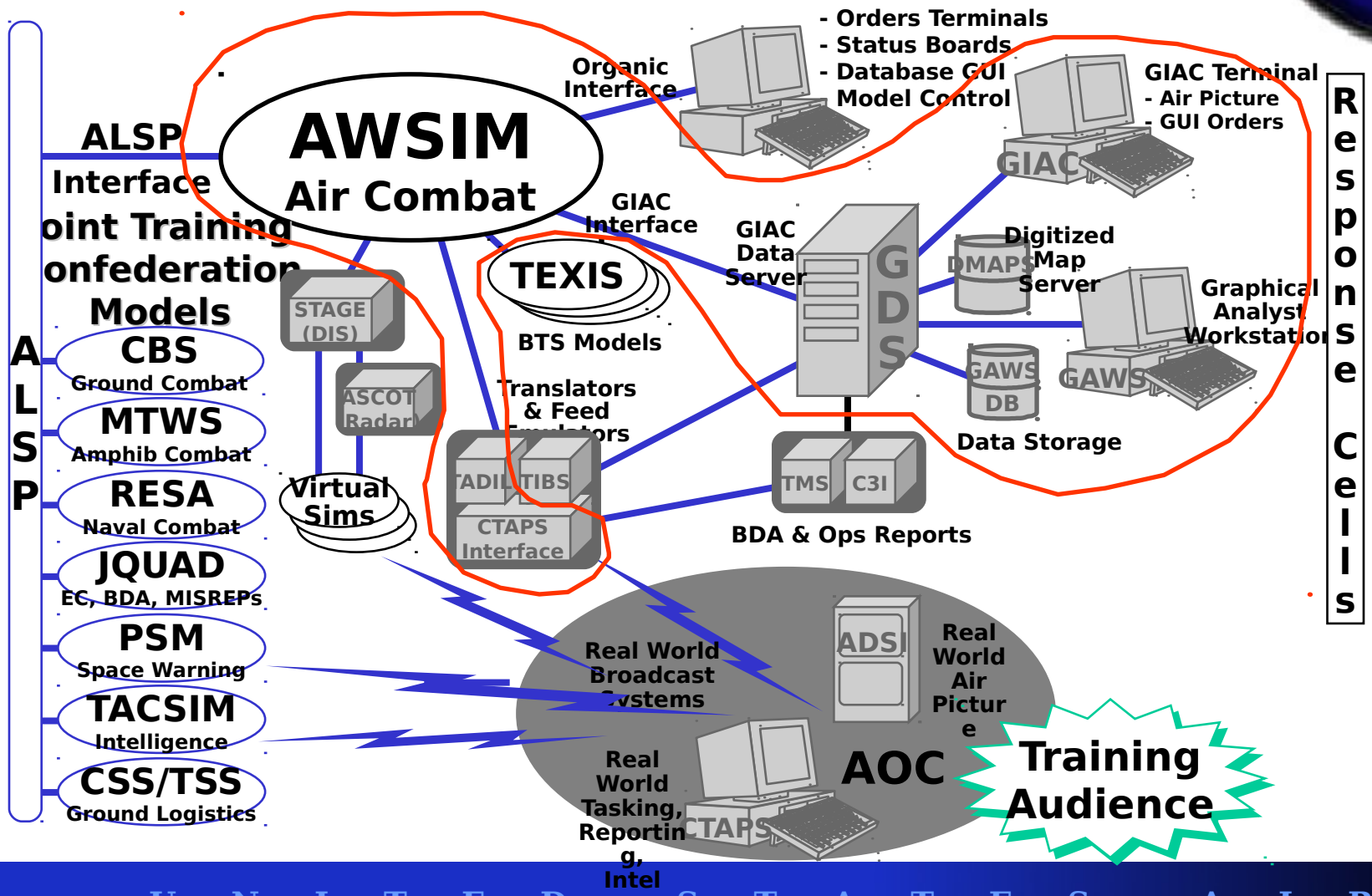
AFSOM Responsibilities:

- Requirements & Configuration Management
- JTC Integration & Testing
- C4ISR Integration

Exercise Responsibilities:

- Planning assistance
- Coordination of support requirements
- Execution support
- M&S Lessons Learned

Air Force Suite of Models (AFSOM)



Exercise Support

Program Support Division

Role:

- Manage selected major initiatives/programs
- Promote M&S technology
- Participate in M&S standards development

Program Support Division

Programs:

- National Air & Space Warfare Model (NASM)
- Joint Simulation System (JSIMS)
- AF M&S Information System (AFMSIS)
- Air Power Effectiveness Demonstration Program (APED)
- Live Fire Test and Training Initiative (LFT&TI)

Technology and Standards:

- M&S R&D Investment Plan
- High Level Architecture (HLA)
- Data/Database Management

Services Support Division

Role:

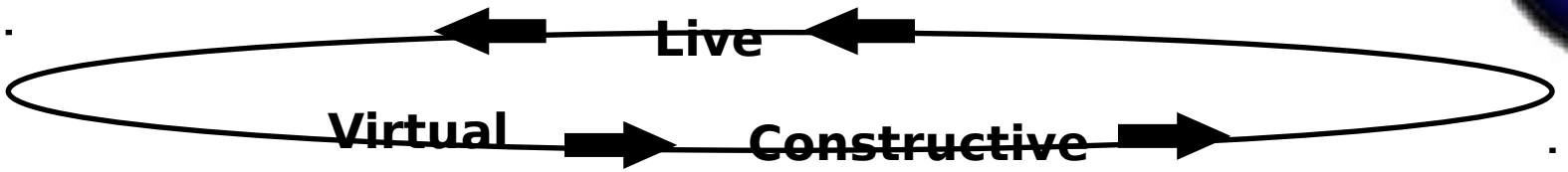
- Provide one-stop shop for all AFAMS support
- Provide external customer support

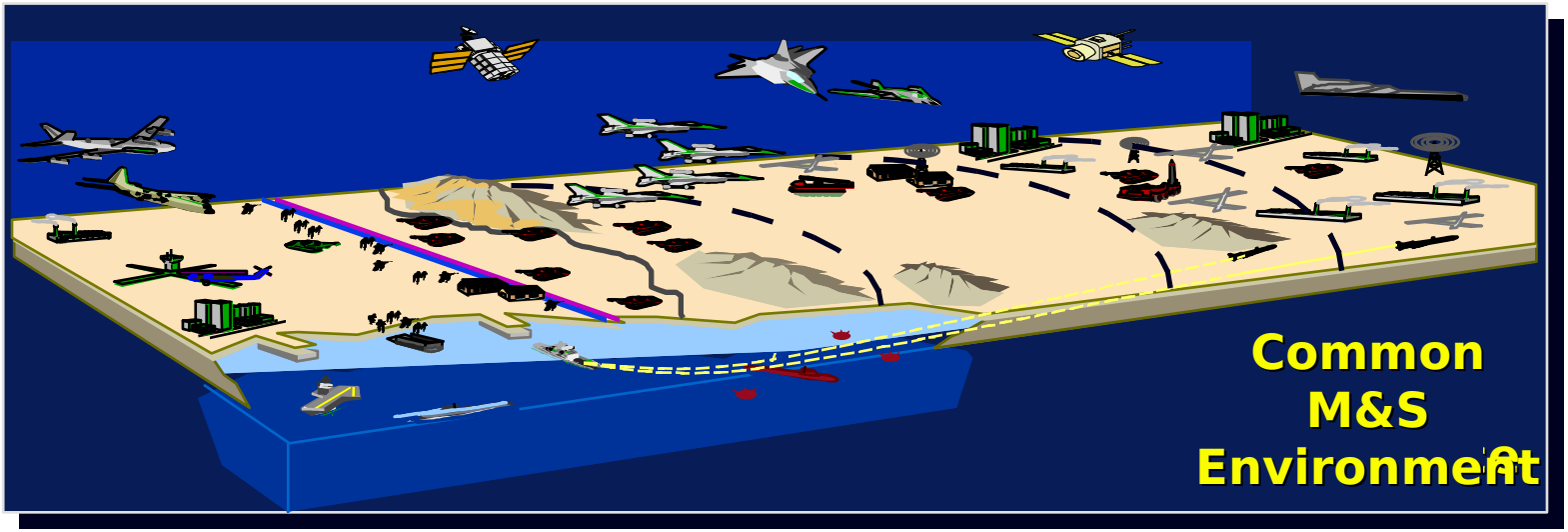
Services Support Division

Responsibilities:

- Contracting
- Finance
- Comm/Computer
- Security
- Facilities maintenance
- Conference support
- Protocol
- Training

Why We're Here





Support Implementation and Use of the Joint Synthetic Battlespace

Why We're Here

- **Better decisions**
- **Better warfighter skills**
- **Demonstrate contribution of air & space power to our national defense**

AF AGENCY FOR MODELING & SIMULATION